

## **iPF5000 Ink Consumption Data**

Holding true to form, after numerous requests, Canon did not provide data regarding ink consumption for the iPF5000. The following data is provided despite Canon.

Assumptions: <http://www.canon.com.au/support/msds.html> This website lists numerous Canon inks and their respective MSDS data sheets. Towards the bottom of this site are listed the 12 inks used with the iPF5000. All begin with PFI-101. All have 8 pages. On page 4 of 8 the Density/Specific Gravity for all is shown as 1.0 -1.1. The specific number was requested of Canon several months ago with no information provided by Canon. Therefore the assumption used for this data is 1.0 or 1 gram equals 1 milliliter of ink.

Scale used for data collections is an American Weigh Scale Model CH-501. Capacity 500 grams. Scale measure to .01 grams. Calibration weight 500 grams. Typical re-weighing of the same cartridge varied by no more than .02 grams.

5/1/2007 @1:30 P.M. PST weighed 12 individual cartridges. The printer had not been used for several months prior to gathering this data.

5/1/2007 turned printer on @1:41 P.M. PST. Startup/cleaning cycle completed @1:49 P.M. PST. Printer left in standby mode and not used for 2 weeks.

5/15/2007 turned printer off and re-weighed 12 cartridges @12:30 P.M. PST.

Cartridge Item Description:	5/1/2007 (g)	5/15/2007 (g)	Net Ink Used:
PFI-101 Matte Black	98.36 grams	93.28 grams	5.08 grams
PFI-101 Black	97.40 grams	92.87 grams	4.53 grams
PFI-101 Cyan	100.61 grams	96.68 grams	3.93 grams
PFI-101 Magenta	95.59 grams	90.83 grams	4.76 grams
PFI-101 Yellow	95.39 grams	90.60 grams	4.79 grams
PFI-101 Photo Cyan	96.01 grams	93.87 grams	2.14 grams
PFI-101 Photo Magenta	92.91 grams	87.80 grams	5.11 grams
PFI-101 Red	101.81 grams	97.46 grams	4.35 grams
PFI-101 Green	96.37 grams	91.42 grams	4.95 grams
PFI-101 Blue	97.00 grams	91.90 grams	5.10 grams
PFI-101 Grey	92.21 grams	88.47 grams	3.74 grams
PFI-101 Photo Grey	96.26 grams	91.66 grams	4.60 grams

Total ink consumption during this 2-week period equaled 53.08 grams or milliliters or the equivalent of approximately 1 cartridge per month. Leave the printer on, don't use it and you will consume approximately \$900 retail per year of ink. Printer remained off for the remainder of the day 5/15/2007.

Turned printer on 5/16/2007 @11:33 A.M. PST. Startup/cleaning cycle completed @11:35 P.M. PST. This was a total of 2 minutes.

Printer remained on for re-weigh of 12 cartridges.

Cartridge Item Description:		5/15/2007 (g)	5/16/2007 (g) After Startup	Net Ink Used:
PFI-101 Matte Black	93.28 grams	93.28 grams	0	grams
PFI-101 Black	92.87 grams	92.38 grams	.49	grams
PFI-101 Cyan	96.68 grams	96.61 grams	.07	grams
PFI-101 Magenta	90.83 grams	90.36 grams	.47	grams
PFI-101 Yellow	90.60 grams	90.39 grams	.21	grams
PFI-101 Photo Cyan	93.87 grams	93.38 grams	.49	grams
PFI-101 Photo Magenta	87.80 grams	87.80 grams	0	grams
PFI-101 Red	97.46 grams	97.29 grams	.17	grams
PFI-101 Green	91.42 grams	91.19 grams	.23	grams
PFI-101 Blue	91.90 grams	91.18 grams	.72	grams
PFI-101 Grey	88.47 grams	88.00 grams	.47	grams
PFI-101 Photo Grey	91.66 grams	91.63 grams	.03	grams

Total ink consumption during this 1 startup/cleaning cycle equaled 3.35 grams or milliliters.

@11:54 A.M. PST Selected Head Cleaning A. Cleaning ended @11:58 A.M. PST. Total cleaning time was 4 minutes.

Printer remained on for re-weigh of 12 cartridges after Head Cleaning A sequence. Re-weigh completed @12:22 P.M. PST.

Cartridge Item Description:		5/16/2007 (g) Pre Head Cleaning	5/16/2007 (g) Post Head Cleaning	Net Ink Used:
PFI-101 Matte Black	93.28 grams	92.30 grams	0.98	grams
PFI-101 Black	92.38 grams	91.34 grams	1.04	grams
PFI-101 Cyan	96.61 grams	95.40 grams	1.21	grams
PFI-101 Magenta	90.36 grams	89.73 grams	0.63	grams
PFI-101 Yellow	90.39 grams	89.61 grams	0.78	grams
PFI-101 Photo Cyan	93.38 grams	92.28 grams	1.10	grams
PFI-101 Photo Magenta	87.80 grams	87.00 grams	0.80	grams
PFI-101 Red	97.29 grams	96.65 grams	0.64	grams
PFI-101 Green	91.19 grams	90.42 grams	0.77	grams
PFI-101 Blue	91.18 grams	90.16 grams	1.02	grams
PFI-101 Grey	88.00 grams	87.29 grams	0.71	grams
PFI-101 Photo Grey	91.63 grams	90.84 grams	0.79	grams

Ink consumption during this Head Cleaning A sequence = 10.47 grams or milliliters.